

10/840,189

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:02:17 ON 13 JUL 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:02:27 ON 13 JUL 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 JUL 2006 HIGHEST RN 892389-74-1

DICTIONARY FILE UPDATES: 12 JUL 2006 HIGHEST RN 892389-74-1

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

*** YOU HAVE NEW MAIL ***

=>

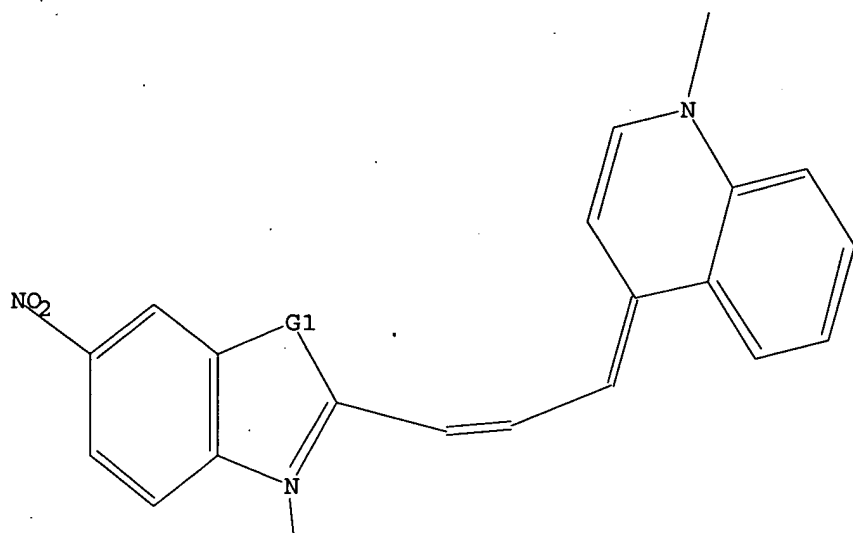
Uploading C:\Program Files\Stnexp\Queries\10840189.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S,Se

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 17:02:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 26 TO ITERATE

100.0% PROCESSED 26 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L2 2 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'CAPLUS' ENTERED AT 17:03:03 ON 13 JUL 2006
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FILE COVERS 1907 - 13 Jul 2006 VOL 145 ISS 3
FILE LAST UPDATED: 12 Jul 2006 (20060712/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 12

L3 1 L2

=> d 13 bib abs hitstr

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:136073 CAPLUS

DN 136:196564

TI Non-fluorescent asymmetric cyanine dye compounds useful for quenching reporter dyes

IN Lee, Linda G.; Graham, Ronald J.; Mullah, Khairuzzaman B.; Haxo, Francis T.

PA PE Corporation (NY), USA

SO U.S., 62 pp., Cont.-in-part of U.S. 6,080,868.

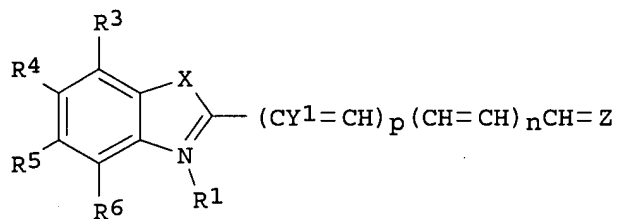
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6348596	B1	20020219	US 1999-357740	19990720
	US 6080868	A	20000627	US 1998-12525	19980123
	US 6541618	B1	20030401	US 2000-602544	20000621
	US 2003207305	A1	20031106	US 2003-404404	20030331
	US 6750024	B2	20040615		
	JP 2004323839	A2	20041118	JP 2004-114829	20040408
	US 2005009058	A1	20050113	US 2004-840189	20040505
PRAI	US 1998-12525	A2	19980123		
	JP 2000-528627	A3	19990119		
	US 2000-602544	A3	20000621		
	US 2003-404404	A3	20030331		
OS	MARPAT 136:196564				
GI					



I

AB The invention provides asym. cyanine dye compds. I, including substituted forms thereof, which are non-fluorescent quencher mols. The invention further provides reporter-quencher dye pairs, wherein the asym. cyanine dyes are the quenchers, polynucleotides incorporating the asym. cyanine dyes, and nucleic acid hybridization detection methods utilizing the dye-labeled polynucleotides. Nitrothiazole blue XXXIV was prepared from 2-methylbenzothiazole and used as a quencher dye paired with FAM or TET reporter dyes in Taqman assays.

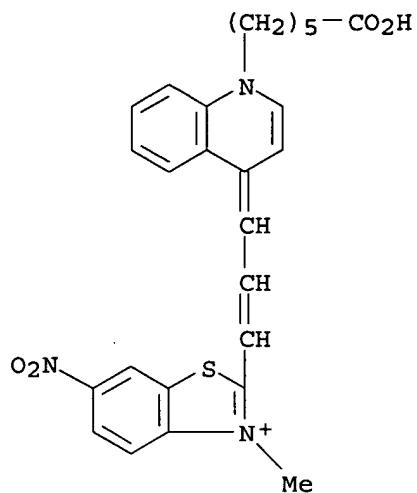
IT 400090-45-1D, salts or protected compds.

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)

(as nonfluorescent asym. cyanine dye; non-fluorescent asym. cyanine dye compds. useful for quenching reporter dyes)

RN 400090-45-1 CAPLUS

CN Benzothiazolium, 2-[3-[1-(5-carboxypentyl)-4(1H)-quinolinyldiene]-1-propenyl]-3-methyl-6-nitro- (9CI) (CA INDEX NAME)



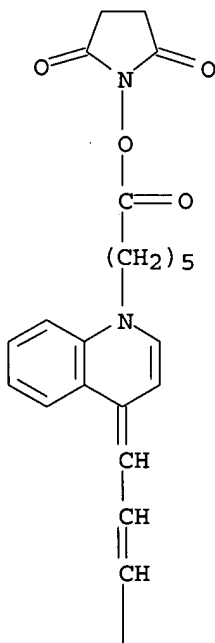
IT 400090-56-4P

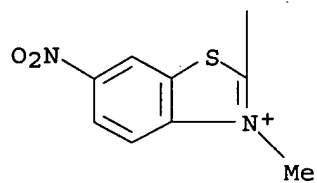
RL: SPN (Synthetic preparation); PREP (Preparation)
(non-fluorescent asym. cyanine dye compds. useful for quenching
reporter dyes)

RN 400090-56-4 CAPLUS

CN Benzothiazolium, 2-[3-[1-[6-[(2,5-dioxo-1-pyrrolidinyl)oxy]-6-oxohexyl]-
4(1H)-quinolinylidene]-1-propenyl]-3-methyl-6-nitro- (9CI) (CA INDEX
NAME)

PAGE 1-A





RE.CNT 84 THERE ARE 84 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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